

**VA DEQ, AQCR I SOUTHWEST VIRGINIA, 2009**

<b>SITE I.D.</b>	<b>POLLUTANT MEASURED</b>	<b>METHOD OR INSTRUMENT</b>	<b>SAMPLING INTERVAL</b>	<b>MONITORING OBJECTIVE</b>	<b>SCALE</b>	<b>BEGINNING DATE</b>	<b>MONITOR TYPE</b>	<b>LOCATION</b>	<b>LONGITUDE</b>	<b>LATITUDE</b>
51-035-0001 (23-A)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	5/28/89	SLAMS	Carroll Co. - Gladeville Elem. School	-80.8800	36.7025
51-197-0002 (16-B)	O3	UV Absorption	Continuous	Population	Regional	4/1/90	SLAMS	Rural Retreat - Wythe County Sewage Treatment Plant	-81.2550	36.8931
51-520-0006 (101-E)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	Bristol - Highland View Elem. Sch.	-82.1644	36.6078

**There are no collocated monitors in AQCR I**

**VA DEQ, AQCR II VALLEY OF VIRGINIA, 2009**

<b>SITE I.D.</b>	<b>POLLUTANT MEASURED</b>	<b>METHOD OR INSTRUMENT</b>	<b>SAMPLING INTERVAL</b>	<b>MONITORING OBJECTIVE</b>	<b>SCALE</b>	<b>BEGINNING DATE</b>	<b>MONITOR TYPE</b>	<b>LOCATION</b>	<b>LONGITUDE</b>	<b>LATITUDE</b>
51-069-0010 (28-J)	O3 PM2.5 FRM PM2.5	UV Absorption Sequential TEOM	Continuous 1/3 Continuous	Population Population Background	Urban Urban Urban	4/1/91 1/1/08 1/1/08	SLAMS SLAMS SPM	Rest, Frederick County - Lester Buildings	-78.0814	39.2828
51-113-0003 (N-35-A)	O3 SO2 PM2.5 PM2.5	UV Absorption Fluorescence IMPROVE TEOM	Continuous Continuous 1/3 Continuous	Background Background Background Background	Regional Regional Regional Regional	   5/04	Nat'l Park Nat'l Park IMPROVE SLAMS	Madison County - Shenandoah Nat'l Park Big Meadows	-78.4355	38.5227
51-139-0004 (29-D)	O3 PM2.5 FRM	UV Absorption Sequential	Continuous 1/3	Population Background Transport	Urban Regional	7/21/99 10/00	SLAMS SLAMS	Page County - Luray Caverns Airport	-78.5047	38.6633
51-161-1004 (19-A6)	NO2 O3 SO2	Chemiluminescence UV Absorption Fluorescence	Continuous Continuous Continuous	Population Population Population	Neighborhood Neighborhood Neighborhood	1/1/81 8/81 1/29/87	SLAMS SLAMS NAMS	Vinton - Roanoke Co. Horn Elem. School	-79.8842	37.2856
51-163-0003 (21-C)	O3 PM2.5	UV Absorption IMPROVE	Continuous Continuous	Background Background	Regional Regional	4/8/99	SLAMS IMPROVE	Rockbridge Co. - Natural Bridge Station	-79.5131	37.6261
51-165-0003 (26-F)	SO2 NO2 PM2.5 FRM O3	Fluorescence Chemiluminescence Sequential UV Absorption	Continuous Continuous 1/3 Continuous	Population Population Population Population	Neighborhood Neighborhood Neighborhood Neighborhood	4/04 4/04 1/1/07 4/1/07	SLAMS SLAMS SLAMS SLAMS	Rockingham Co. - VDOT	-78.8195	38.4775
51-187-0004 (30-E)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	7/27/88	SLAMS	Front Royal - Warren Co. Memorial Hospital	-78.1983	38.9328
51-770-0011 (109-H)	PM-10	SSI HI VOL	1/6	Source	Middle	5/9/88	SLAMS	Roanoke - Cherry Hill Subdivision	-79.9994	37.2758
51-770-0015 (109-M)	CO PM2.5 PM2.5 FRM	Gas Filter Corr. TEOM Sequential	Continuous Continuous Daily	Population Population Population	Neighborhood Neighborhood Neighborhood	4/04 4/1/04 1/1/07	SLAMS SPM SLAMS	Roanoke - Round Hill Elem. Sch.	-79.9557	37.2972
51-775-0011 (110-C)	PM2.5	Sequential	1/3	Population	Neighborhood	9/8/09	SLAMS	Salem - Salem High School	-80.0810	37.2979
51-840-0002 (134-C)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	9/13/89	SLAMS	Winchester - Courts Bldg.	-78.1631	39.1856

**There are no collocated monitors in AQCR II**

VA DEQ, AQCR III CENTRAL VIRGINIA, 2009

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE	LATITUDE
51-680-0015 (155-Q)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	4/1/03	SLAMS	Lynchburg - Water Tank	-79.2148	37.3318

There are no collocated monitors in AQCR III

**VA DEQ, AQCR IV NORTHEAST VIRGINIA, 2009**

<b>SITE I.D.</b>	<b>POLLUTANT MEASURED</b>	<b>METHOD OR INSTRUMENT</b>	<b>SAMPLING INTERVAL</b>	<b>MONITORING OBJECTIVE</b>	<b>SCALE</b>	<b>BEGINNING DATE</b>	<b>MONITOR TYPE</b>	<b>LOCATION</b>	<b>LONGITUDE</b>
51-033-0001 (48-A)	O3 VOC VOC NOy	UV Absorption Auto-GC TO-12 Chemiluminescence	Continuous Daily - Summer 1/6 Continuous	Background Background Background Background	Regional Neighborhood Regional Regional	4/1/93 6/1/09 6/1/09 7/22/96	PAMS PAMS PAMS PAMS	Caroline Co. - USGS Geomagnetic Center	-77.3772
51-047-0002 (42-B)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	4/24/92	SLAMS	Culpeper - Farmington Elem. School	-78.0111
51-061-0002 (37-B)	O3	UV Absorption	Continuous	Background	Regional	9/1/81	SLAMS	Fauquier Co. - Phelps Wildlife Area	-77.7678
51-179-0001 (44-A)	O3	UV Absorption	Continuous	Population	Neighborhood	9/1/92	SLAMS	Stafford Co. - Widewater Elem. School	-77.3703
51-003-0001 33-A	O3 PM2.5 FRM PM2.5	UV Absorption Sequential TEOM	Continuous 1/3 Continuous	Population Population Background	Regional Neighborhood Neighborhood	4/1/08 4/1/08 4/1/08	SLAMS SLAMS SPM	Albemarle Co. - Albemarle High School	- 78.4973
51-630-0004 (130-E)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	11/12/89	SLAMS	Fredericksburg - Mercer Elem. School	-77.4864

**There are no collocated monitors in AQCR IV**

VA DEQ, AQCR V STATE CAPITOL, 2009

SITE I.D. SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE	LATITUDE
51-036-0002 (75-B)	O3 SO2  NO2 PM2.5 FRM	UV Absorption Pulsed Fluorescence  Chemiluminescence Sequential	Continuous Continuous  Continuous 1/3	Population Highest Concentration Population Population	Neighborhood Neighborhood  Neighborhood Neighborhood	3/29/88 1/1/92  3/9/93 1/1/99	SLAMS NAMS  SLAMS SLAMS	Charles City Co. - Route #608 Shirley Plantation	-77.2608	37.3419
51-041-0003 (71-D)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	Chesterfield Co. - Bensley Armory	-77.4508	37.4361
51-041-0004 (71-H)	O3	UV Absorption	Continuous	Population	Neighborhood	4/80	SLAMS	Chesterfield Co. - Beach Rd. VDOT	-77.5936	37.3589
51-085-0003 (73-E)	O3	UV Absorption	Continuous	Highest Concentration	Urban	4/1/01	NAMS	Hanover Co. - McClellan Road	-77.2188	37.6061
51-087-0014 (72-M)	O3 PM2.5 FRM PM2.5 PM2.5 PM10 Metals Metals Carbonyl VOCs PAH Hexavalent Chromium NOy NO2 Trace	UV Absorption Sequential TEOM Speciation Sequential PM-10 HI VOL/ICPMS TSP/ICPMS TO-11A TO-15 TSP  TSP LO VOL Chemiluminescence Chemiluminescence	Continuous Daily Continuous 1/3 Mini-Trends 1/3 1/6 1/6 1/6 1/6 1/6  1/6 Continuous Continuous	Population Population Population Population Population Background Background Background Background Background  Background Population Population	Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood  Neighborhood Neighborhood Neighborhood	6/12/81 1/1/99 7/18/00 1/1/04 7/23/08 7/1/08 10/1/08 7/1/08 7/1/08 10/1/08  10/1/08 6/1/07 5/1/05	NAMS SLAMS SPM SPM SPM NATTS/SPM NATTS/SPM NATTS NATTS NATTS  NATTS NCORE/SPM NCORE/SPM	Henrico Co. - MathScience Center	-77.4003	37.5583
51-087-0015 (72-N)	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	Henrico Co. - Piedmont DEQ	-77.5675	37.6703
51-101-0003 (82-C)	PM-10	SSI HI VOL	1/6	Population	Neighborhood	1/11/90	SLAMS	West Point - Elementary School	-76.7953	37.5594
51-670-0010 (154-M)	PM-10 Metals Metals VOCs Carbonyl	PM10 SSI HI VOL PM10 LO VOL / ICPMS TSP/ICPMS TO-15 TO-11	1/6 1/6 1/6 1/6 1/6	Population Population Population Population Population	Neighborhood Neighborhood Neighborhood Neighborhood Neighborhood	11/19/06 11/1/08 10/1/08 10/1/08 10/1/08	SLAMS SPM Urban Toxics Urban Toxics Urban Toxics	Hopewell - Urban Air Toxics Carter G. Woodson Middle School	-77.2901	37.2906
51-670-0011 (154-N)	VOCs PAH H2S	TO-15 TSP Flourescence	1/6 1/6 Continuous	Population Background Background	Neighborhood Neighborhood Neighborhood	11/1/06 11/1/08 11/1/08	SPM SPM SPM	Hopewell Toxics Study, Spruance Road	-77.2729	37.3122
51-760-0024 (158-W)	CO SO2 NO2	Gas Filter Correlation Pulsed Fluorescence Chemiluminescence	Continuous Continuous Continuous	Population Population Population	Neighborhood Neighborhood Neighborhood	2/13/98 2/13/98 2/13/98	SLAMS SLAMS SLAMS	Richmond - Science Museum, Broad Street	-77.4653	37.5628

**VA DEQ, AQCR VI HAMPTON ROADS, 2009**

<b>SITE I.D.</b>	<b>POLLUTANT MEASURED</b>	<b>METHOD OR INSTRUMENT</b>	<b>SAMPLING INTERVAL</b>	<b>MONITORING OBJECTIVE</b>	<b>SCALE</b>	<b>BEGINNING DATE</b>	<b>MONITOR TYPE</b>	<b>LOCATION</b>	<b>LONGITUDE</b>
51-700-0013 (180-O)	SO2	Fluorescence	Continuous	Population	Neighborhood	4/16/09	NAMS	Newport News -	-76.3992
	O3	UV Absorption	Continuous	Population	Neighborhood	4/16/09	NAMS	SCOT Facility	
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/99 to 12/03 4/19/09	SLAMS	NN Public Schools	
	PM2.5	TEOM	Continuous	Population	Neighborhood	4/16/09	SPM		
	CO	Gas Filter Corr.	Continuous	Population	Neighborhood	4/16/09	SLAMS		
	PM10	SSI HI VOL	1/6	Population	Neighborhood	4/16/09	SLAMS		
51-710-0024 (181-A1)	PM10	SSI HI VOL	1/6	Population	Neighborhood	6/21/97	SLAMS	Norfolk -	-76.3017
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS	NOAA Storage	
	CO	Gas Filter Corr.	Continuous	Population	Neighborhood	10/24/06	SLAMS	Facility	
	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	10/24/06	SLAMS		
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	January 2007	SLAMS		
51-800-0004 (183-E)	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/87	NAMS	Suffolk - Tidewater Community College	-76.4386
51-800-0005 (183-F)	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/91	NAMS	Suffolk - Tidewater Research Station, Holland	-76.7314
51-810-0008 (184-J)	PM2.5 FRM	Sequential	Daily	Population	Neighborhood	1/1/99	SLAMS	VA Beach -	-76.1814
	VOC	TO-15	1/6	Background	Neighborhood	7/1/05	Urban Toxics	VA Beach DEQ Office	
	Carbonyl	TO-11A	1/6	Background	Neighborhood	7/1/05	Urban Toxics		
	Metals	TSP	1/6	Background	Neighborhood	8/2/05	Urban Toxics		

**There are two collocated monitors in AQCR VI. Collocated PM10 and PM2.5 FRM are both at 181-A1, 517100024, the NOAA Storage Facility in Norfolk. Sta. 180-O, Newport News is a replacement site for former site 179-C, 51-650-0004, Hampton. The site in Hampton was a forced termination due to the sale of the**

**VA DEQ, AQCR VII NORTHERN VIRGINIA, 2009**

SITE I.D.	POLLUTANT MEASURED	METHOD OR INSTRUMENT	SAMPLING INTERVAL	MONITORING OBJECTIVE	SCALE	BEGINNING DATE	MONITOR TYPE	LOCATION	LONGITUDE	LATITUDE
51-013-0020 (47-T)	O3	UV Absorption	Continuous	Population	Neighborhood	8/1/79	SLAMS	Arlington - Aurora Hills Visitors Center	-77.0592	38.8575
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	8/1/79	SLAMS			
	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	4/1/81	SLAMS			
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS			
51-059-0018 (L-46-B3)	O3	UV Absorption	Continuous	Population	Neighborhood	5/7/80	SLAMS	Fairfax - 2675 Sherwood Hall	-77.0775	38.7425
	PM-10	SSI HI VOL	1/6	Population	Neighborhood	9/2/90	SLAMS			
51-059-0030 (46-B9)	O3	UV Absorption	Continuous	Population	Neighborhood	7/1/98	PAMS	Fairfax - Lee District	-77.1056	38.7728
	VOC	TO-15	1/6	Population	Neighborhood	6/1/02	Urban Toxics			
	Carbonyl	TO-11A	1/6	Population	Neighborhood	6/1/02	Urban Toxics			
	Metals	TSP	1/6	Population	Neighborhood	6/1/02	Urban Toxics			
	PM2.5 FRM	Sequential	Daily	Population	Neighborhood	1/1/99	SLAMS			
51-059-1005 (L-46-C1)	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/02	SLAMS	Fairfax - Mason Governmental Center	-77.1632	38.8375
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	4/1/02	SLAMS			
	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	4/1/02	SLAMS			
	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	4/1/02	SLAMS			
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	3/9/02	SLAMS			
	PM2.5	TEOM	Continuous	Population	Neighborhood	5/24/02	SLAMS			
51-059-5001 (L-46-A8)	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	5/74	SLAMS	Fairfax - Balls Hill Road	-77.1989	38.9319
	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	6/74	SLAMS			
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	5/1/74	SLAMS			
	O3	UV Absorption	Continuous	Population	Neighborhood	5/74	SLAMS			
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS			
51-107-1005 (38-I)	O3	UV Absorption	Continuous	Population	Neighborhood	4/4/98	SLAMS	Loudoun Co. - Broad Run H.S.	-77.4900	39.0244
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	4/4/98	SLAMS			
	PM2.5 FRM	Sequential	1/3	Population	Neighborhood	1/1/99	SLAMS			
51-153-0009 (45-L)	O3	UV Absorption	Continuous	Population	Urban	4/1/91	SLAMS	Prince Wm. Co. - Long Park	-77.6356	38.8553
	NO2	Chemiluminescence	Continuous	Population	Urban	4/1/94	SLAMS			
51-510-0009 (L-126-C)	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	10/69	NAMS	Alexandria, 517 N. Saint Asaph St.	-77.0447	38.8108
	O3	UV Absorption	Continuous	Population	Neighborhood	10/69	SLAMS			
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	10/69	SLAMS			
	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	12/6/72	SLAMS			
	PM10	SSI HI VOL	1/6	Population	Neighborhood	10/4/01	SPM			
51-510-0020 (L-126-H)	PM10	SSI HI VOL	1/3	Source	Middle Scale	6/4/06	SPM	Alexandria - Tucker Elem. Sch.	-77.1268	38.8050
51-059-0005 (L-46-F)	SO2	Pulsed Fluorescence	Continuous	Population	Neighborhood	4/1/92	SLAMS	Fairfax - Chantilly	-77.4653	38.8939
	NO2	Chemiluminescence	Continuous	Population	Neighborhood	4/1/92	SLAMS			
	CO	Gas Filter Correlation	Continuous	Population	Neighborhood	4/4/92	SLAMS			
	O3	UV Absorption	Continuous	Population	Neighborhood	4/1/92	SLAMS			
	PM-10	SSI HI VOL	1/6	Population	Neighborhood	4/1/92	SLAMS			

**There are 3 collocated monitors in AQCR VII. A collocated PM2.5 FRM is located at Station 47-T, 510130020, Aurora Hills Visitor Center, Arlington**